

GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: April 14, 2005, 14:06:59 ; Search time 562 Seconds

(without alignments)
10263.124 Million cell updates/sec

Title: US-10-018-105-3

Perfect score: 3525

Sequence: 1 tataataataataata.....tcaattattatcaataattgc-3525

Scoring table: IDENTITY_NTC

Gapext 1.0 ; Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% ; Maximum Match 100%

Listing first 45 summaries
Database : Issued_Patents_NA:*

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3: /cgn2_6_ptodata/1/ina/6A_COMBO.seq:*

4: /cgn2_6_ptodata/1/ina/6B_COMBO.seq:*

5: /cgn2_6_ptodata/1/ina/PCTNS_COMBO.seq:*

6: /cgn2_6_ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	
1	2155.2	61.1	2358	4 US-09-248-796A-6328	Sequence 6328, AP	
2	423.8	12.0	507	4 US-09-248-796A-6327	Sequence 6327, AP	
c	3	168.2	4.8	537	3 US-08-938-416-66	Sequence 66, Appl
c	4	118.2	3.4	2445	4 US-09-248-796A-6302	Sequence 6302, AP
c	5	73.4	2.1	708	4 US-09-248-796A-10622	Sequence 10622, A
c	6	71.8	2.0	19124	2 US-08-487-822B-13	Sequence 13, Appl
c	7	68.8	2.0	1141	4 US-09-806-708B-22	Sequence 22, Appl
c	8	68	1.9	767677	4 US-09-949-016-12147	Sequence 12147, A
c	9	68	1.9	767677	4 US-09-949-016-17361	Sequence 17361, A
c	10	67.6	1.9	29717	4 US-09-949-016-16284	Sequence 16284, A
c	11	67.6	1.9	60316	4 US-09-949-016-12423	Sequence 12423, A
c	12	66.8	1.9	14066	4 US-09-601-198-56	Sequence 56, Appl
c	13	66.4	1.9	19438	4 US-09-949-016-12699	Sequence 12699, A
c	14	66	1.9	26000	4 US-09-943-376-10	Sequence 10, Appl
c	15	65.8	1.9	205044	4 US-09-949-016-15851	Sequence 15851, A
c	16	65.8	1.9	205044	4 US-09-949-016-15853	Sequence 15853, A
c	17	65.8	1.9	205044	4 US-09-949-016-15853	Sequence 15853, A
c	18	65.8	1.9	223471	4 US-09-949-016-12387	Sequence 12387, A
c	19	65.8	1.9	223471	4 US-09-949-016-12724	Sequence 12724, A
c	20	65.8	1.9	223471	4 US-09-949-016-12725	Sequence 12725, A
c	21	65.2	1.8	1037	4 US-09-181-585-3	Sequence 3, Appl
c	22	65.2	1.8	1159	4 US-09-181-585-1	Sequence 1, Appl
c	23	63.2	1.8	1471	4 US-09-181-585-1	Sequence 2, Appl
c	24	65	1.8	18773	4 US-09-949-016-14164	Sequence 14164, A
c	25	64	1.8	1141	4 US-09-806-708B-22	Sequence 22, Appl
c	26	63.4	1.8	119153	4 US-09-949-016-12378	Sequence 12378, A
c	27	63.4	1.8	837	3 US-08-998-416-288	Sequence 288, App

ALIGNMENTS

RESULT 1
US-09-248-796A-6328

; Sequence 6328, Application US/09248796A

; Patent No. 6747137

GENERAL INFORMATION: FOR DIAGNOSTICS AND THERAPEUTICS

APPLICANT: Keith Weinstock et al

TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANA

FILE REFERENCE: 107196-1132

CURRENT FILING DATE: 1999-02-12

PRIOR APPLICATION NUMBER: US 60/074, 725

PRIOR FILING DATE: 1998-02-13

PRIOR APPLICATION NUMBER: US 60/096, 409

PRIOR FILING DATE: 1998-08-13

NUMBER OF SEQ ID NOS: 28208

SEQ ID NO: 6328

TYPE: DNA

ORGANISM: Candida albicans

US-09-248-796A-6328

Query Match 61.1%; Score 2155.2; DB 4; Length 2358;

Best Local Similarity 97.2%; Pred. No. 0; Mismatches 0; Conservative Matches 2293; Indel. 8; Gaps 8;

285 ATAAATAATTAAAGGTATACTCCCTTTGTTTTTTCTCCAGCCATGTCGCG 344

Qy 1 ATAAATAATTAAAGGTATACTCCCTTTGTTTTTTCTCCAGCCATGTCGCG 58

Db 1 ATAGGAAAGTTATTCAAAATTCAACTAACTAATGACCTATTCTAGATCTGTAAG 404

Qy 59 ATAGGAAAGTTATTCAAAATTCAACTAACTAATGACCTATTCTAGATCTGTAAG 118

Db 405 TATTGGATGATCAAGAAATTCAACTAACTAATGATCTGTCGCAATTACTGTGAGATG 464

Qy 119 TATTGGATGATCAAGAAATTCAACTAACTGTGTCGCAATTACTGTGAGATG 178

Db 465 AGTGGATTAATCAGAATTAGATCAGAAGTTCAAAGGCAA 512

Qy 179 AGTGGATTAATCAGAATTAGATCAGAAGTTCAAAGCACAAC 238

Db 513 AACAAACAAACATCATCAGAATTACATGATAATGCTGAAAT 572

Qy 239 AACAAACAAACATCATCAGAATTACATGATAATGCTGAAAT 298

Db 573 CTGGTTCTCAATTAGAAATAATCTTACCAATAAGATGAAATTACCAACCTA 632

Qy 299 CTGGTTCTCAATTAGAAATAATCTTACCAATAAGATGAAATTACCAACCTA 358

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OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 13:36:05 ; Search time 1739 Seconds
 (without alignments)
 11999.476 Million cell updates/second

Title: US-10-018-105-3
 Perfect score: 3525
 Sequence: 1 tataataataataataata.....tcaattattatcaatattgc 3525

Scoring table: IDENTITY NUC
 Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%
 Listing first 100% summaries

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ALIGNMENTS

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4:  geneseqn2000a;*
5:  geneseqn2001ab;*
6:  geneseqn2002ab;*
7:  geneseqn2002bs;*
8:  geneseqn2003as;*
9:  geneseqn2003bs;*
10:  geneseqn2003cs;*
11:  geneseqn2003ds;*
12:  geneseqn2004ab;*
13:  geneseqn2004bs;*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed.

SUMMARIES

05-MAY-2000; 2000WO-CA000533

05-MAY-1999; 99US-0132878P
(MYCO-) MYCOTA BIOSCIENCES I
Roemer T BISGOTY M David

WPI; 2000-687652/67.
P-PSDB; AAB36515.

Claim 3: Fig 2A: 76rd: English
new and encouraging essential p
diagnosing fungal infections
antifungal agents.

The present sequence represents CaAaL1. The present invention CaAaL1 and CaCDC24 isolated is useful as anti-fungal and fungicidal agents useful as drug targets. Fragments primers for diagnosis of fung

Prep. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

DATA SHEET

Result No.	Score	Query	Match Length	DB	ID	Description	
						Abc87954	Aab732388
1	3523	99.9	3525	3	AAc87954	Candida a	Aac87954
2	2769	78.6	2769	6	ABz32388	Candida a	Abz32388
3	263.8	7.5	684	6	ABz21722	Ruman ORF	Abn21722
4	179.6	5.1	1992	8	ABT19393	Aspergill	Abt19393
5	179.6	5.1	1992	8	ABT21213	Aspergill	Abt21213
6	169.4	4.8	860	8	ABz251492	Aspergill	Abz251492
7	168.2	4.8	537	2	ADR01374	Aspergill	Adr01374
8	118	3.3	462	6	ABN76186	A. gossyp	Abn76186
9	117.6	3.3	8056	8	ABZ10246	Rhamnomy	Abz10246
10	116.4	3.3	638	3	AAF14580	Aspergill	Aaf14580
11	113.6	3.2	2048	8	ABT20615	Aspergill	Abt20615
12	113.6	3.2	2048	8	ABT18799	Aspergill	Abt18799
13	113.6	3.2	4048	8	ABT18205	Aspergill	Abt18205
14	113.6	3.2	4048	8	ABT20019	Aspergill	Abt20019
15	113.6	3.2	7990	13	ADR84473	Aspergill	Adr84473
16	107.8	3.1	3291	6	ABN22555	Ruman ORF	Abn22555
17	106.8	3.0	4985	6	ABQ75107	Anopheles	Abq75107
18	106.8	3.0	4985	10	ACF07720	Mosquito	Acf07720
19	106.2	3.0	575	3	AAF07924		Aaf07924
20	94.4	2.7	969	6	ABQ39490	Oligonucle	Abq39490

their specific inhibitors which are potential antifungal agents for controlling a wide range of fungi pathogenic on animals or plants. Fragments of the proteins are also used to raise specific antibodies. Higher animals do not contain genes closely similar to the *C. albicans* genes, so antifungal agents that target them are less likely to be toxic to humans.

61	CAACCCACCCCCCTGTCCTAGTCGAATTAACTGATATTGTGATT	120	Qy
61	CAACCCACCCCCCTGTCCTAGTCGAATTAACTGATATTGTGATT	120	Db
121	AATTAAACCTCACTAGTCCTAGTCGAACCTCTGCTCACTATAAGA	180	Qy
121	AATTAAACCTCACTAGTCCTAGTCGAACCTCTGCTCACTATAAGA	180	Db
181	TNTTCATTTTTACCAAGCTGAAATTATTTGGTGTCAACCTATA	240	Qy
181	TNTTCATTTTTACCAAGCTGAAATTATTTGGTGTCAACCTATA	240	Db
241	ATRATTACCGAATTGCTACAAATAAAATTAATTAATTAATTAAGA	300	Qy
241	ATRATTACCGAATTGCTACAAATAAAATTAATTAATTAATTAAGA	300	Db
301	GTATATCTCCCTTTCTCCAGCCTGCGATAGTGAACCTATA	360	Qy
301	GTATATCTCCCTTTCTCCAGCCTGCGATAGTGAACCTATA	360	Db
361	TCAAATTCACTACTAAATCAACCTATTCTAGATCTGAAAGTATTGATGATAG	420	Qy
361	TCAAATTCACTACTAAATCAACCTATTCTAGATCTGAAAGTATTGATGATAG	420	Db
421	AAATCAAACTCACTAAATCAACCTATTCTAGATCTGAAAGTATTGATGATAG	480	Qy
421	AAATCAAACTCACTAAATCAACCTATTCTAGATCTGAAAGTATTGATGATAG	480	Db
481	AGATTAAGTCAAGCTGAAAGTATTGATGAACTCTCTGAAAGTATTGATGATAG	540	Qy
481	AGATTAAGTCAAGCTGAAAGTATTGATGAACTCTCTGAAAGTATTGATGATAG	540	Db
541	ATCGATAATGCTAAACCTGACTCTGAAATCTGTTCTCAATTAGAAAATCTAA	600	Qy
541	ATCGATAATGCTAAACCTGACTCTGAAATCTGTTCTCAATTAGAAAATCTAA	600	Db
601	TCTTACCGGAAAGTAAAGTAAATTACCAACCTATGAGTTTATCTGGTGATGATCT	660	Qy
601	TCTTACCGGAAAGTAAAGTAAATTACCAACCTATGAGTTTATCTGGTGATGATCT	660	Db
661	TAAACGGGTCACAAATTCTTAATTAACGTTCTTAAGTAACTCTGAAATCT	720	Qy
661	TAAACGGGTCACAAATTCTTAATTAACGTTCTTAAGTAACTCTGAAATCT	720	Db
721	AAAAGATAATTACTGAGACAACTCTACTAAATCATACATCTGAAATTCCATT	780	Qy
721	AAAAGATAATTACTGAGACAACTCTACTAAATCATACATCTGAAATTCCATT	780	Db
841	GGAAATTACTCCATTAAATTAAAGAACAACTCTGCTTAATTTCTGAAATT	900	Qy
841	GGAAATTACTCCATTAAATTAAAGAACAACTCTGCTTAATTTCTGAAATT	900	Db
901	TGAALATGATTAGTTCAGTCCATGCAAAATGAAACTATGATGAGATAAAC	960	Qy
901	TGAALATGATTAGTTCAGTCCATGCAAAATGAAACTATGATGAGATAAAC	960	Db
1021	TGGAACCTGACTACGGCACTGCACTGCACTGCTGAAACCATCTCG	1080	Qy
1021	TGGAACCTGACTACGGCACTGCACTGCACTGCTGAAACCATCTCG	1080	Db
1081	TTCATCTATGATGAAAGCTGATCTCATGCAAGATCATCTGAAACTCTG	1140	Qy
1081	TTCATCTATGATGAAAGCTGATCTCATGCAAGATCATCTGAAACTCTG	1140	Db

Db	2221	ATTTGGTGAATCAGAAAGTCAGCTTAATGAGATTATTAGGTAAAGCTGA 2280	Db	3301	TTCATCATAAACATTATTGTTACGAGCTTGTCTTAATTGGAGAGTCAAATTAAAGGAT 3300
Qy	2281	TCTCATTAATGTTGCTAAAGATCTCAAGAGGCTTAATTCCTCTGGTATT 2340	Qy	3361	GTAAAGAAAGTTTAAAGGAAATAAGAAATAATTCAAGGTTTATACAGAA 3420
Db	2281	TCTCATTAATGTTGCTAAAGATCTCAAGAGGCTTAATTCCTCTGGTATT 2340	Db	3361	GTAAAGAAAGTTTAAAGGAAATAAGAAATAATTCAAGGTTTATACAGAA 3420
Qy	2341	TGACGTCATAATAACTCAACAAACACACAGCCACCACCTTAATTC 2400	Qy	3421	GGGGGGGAAAGAGAGGGATATAATGGGATTCTGGTACTTTGGTATTTGAAATA 3480
Db	2341	TGACGTCATAATAACTCAACAAACACACAGCCACCACCTTAATTC 2400	Db	3421	GGGGGGGAAAGAGAGGGATATAATGGGATTCTGGTACTTTGGTATTTGAAATA 3480
Qy	2401	TATTATACCTTACCAATTAACTCAACAAACACAGCCACCACCTTAATTC 2460	Qy	3481	AAATATAAGTTTATCTAAATTATTAACTAATATTCAATATTGTC 3525
Db	2401	TATTATACCTTACCAATTAACTCAACAAACACAGCCACCACCTTAATTC 2460	Db	3481	AAATATAAGTTTATCTAAATTATTCAATATTGTC 3525
Qy	2461	TGGAGGACTAGGGTAGGGATTAAATTGGCTCCATTCCACACTTA 2520	RESULT 3		
Db	2461	TGGAGGACTAGGGTAGGGATTAAATTGGCTCCATTCCACACTTA 2520	AX489375	AX489375	AX489375
Qy	2521	TACTAACTTAATCACTACTGGTCACCTTCACACCAACACATGGTAT 2580	LOCUS	Sequence 6675, from Patent WO02053728.	2769 bp DNA
Db	2521	TACTAACTTAATCACTACTGGTCACCTTCACACCAACACATGGTAT 2580	DEFINITION		linear
Qy	2581	CACTAACTATTCACCTTCACACCAACACATGGTATTTGGCTTATTT 2640	ACCESSION		PAT 16-AUG-2002
Db	2581	CACTAACTATTCACCTTCACACCAACACATGGTATTTGGCTTATTT 2640	VERSION		
Qy	2641	AGGTGATATTCAAGATCATATAATCAGCTTCAAAATTATTAGCTTATGAAAAAT 2700	KEYWORDS		
Db	2641	AGGTGATATTCAAGATCATATAATCAGCTTCAAAATTATTAGCTTATGAAAAAT 2700	SOURCE	Candida albicans	
Qy	2701	TTTCAGCTGTCACATCAAAATTATTAGCTTCAATTACAGTGTACATTCATCCAA 2760	ORGANISM	Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomyces; Saccharomycetales; mitosporic Saccharomycetales; Candida.	
Db	2701	TTTCAGCTGTCACATCAAAATTATTAGCTTCAATTACAGTGTACATTCATCCAA 2760	REFERENCE	1	
Qy	2761	TATTAATATCAGGAATTGTTCTAAATTAACTTGTATGGACATGTTAGTTCCATT 2820	AUTHORS	Roemer, T., Jiang, B., Boone, C., Bussey, H. and Ohisen, K.L.	
Db	2761	TATTAATATCAGGAATTGTTCTAAATTAACTTGTATGGACATGTTAGTTCCATT 2820	TITLE	Gene disruption methodologies for drug target discovery	
Qy	2821	AAATTATCTACGGGACTTTTGTTGATGAGTCCTCTGGTGGTACCA 2880	JOURNAL	Patent: WO 02053728-A 6675 11-JUL-2002;	
Db	2821	AAATTATCTACGGGACTTTTGTTGATGAGTCCTCTGGTGGTACCA 2880	FEATURES	Eltrra Pharmaceuticals, Inc. (US)	
Qy	2881	TTAGGGTTGTTTCGGAAATTGGGTTGGGATTAATTGATTTGGTATTT 2940	LOCATION/QUALIFIERS		
Db	2881	TTAGGGTTGTTTCGGAAATTGGGTTGGGATTAATTGATTTGGTATTT 2940	source	1. 2769	
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Db	2941	ATTGGCTCATGTTGGTGGTGGAAATTGATTAATTCTGGAGGAAATAATTGTTA 3000	/mol_type="unassigned DNA"		
Qy	3001	TGACCAATTATTAACTATCATCATCAAGAAAGTCAATTGTTAAAGAAACA 3060	/db_xref="taxon:5476"		
Db	3001	TGACCAATTATTAACTATCATCATCAAGAAAGTCAATTGTTAAAGAAACA 3060			
Qy	3061	TGTGGTATTAACTCATATTGTTCCCTTAATAATTGATAGATAACAGAA 3120			
Db	3061	TGTGGTATTAACTCATATTGTTCCCTTAATAATTGATAGATAACAGAA 3120			
Qy	3121	ATGCCACAGAGTTGATGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 3180			
Db	3121	ATGCCACAGAGTTGATGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 3180			
Qy	3181	ACATATACTTTTATAGAGTAACTGAAATGATAATGTTGATCATCATATA 3240			
Db	3181	ACATATACTTTTATAGAGTAACTGAAATGATAATGTTGATCATCATATA 3240			
Qy	3241	TTCATAATTGTTATAATGTTACTAATCTCTCTCTCTCTCTCTCTCTCTCT 3300			
Db	3241	TTCATAATTGTTATAATGTTACTAATCTCTCTCTCTCTCTCTCTCTCTCTCT 3300			
Qy	3301	TTTACTTAAACATTATTTCAGAGTTGTTGGGAAAGTTATA 3360			
Db	3301	TTTACTTAAACATTATTTCAGAGTTGTTGGGAAAGTTATA 3360			

QY	818	AATTCAGAGAGAACTCTCAATTCTGGAAATTACCTGCCATTAAAGAAACAAATT	877	1898	TATTTTGTGTTCTCATACTTTGGAGCTGATAAAGAAATCTGAAGATTATTAGAACCG	1957	
Db	481	AATTCAGAGAGAAATCTCAATTCTGGAAATTACCTGCCATTAAAGAAACAAATT	540	1861	TATTTTGTGTTCTCATACTTTGGAGCTGATAAAGAAATCTGAAGATTATTAGAACCG	1620	
Db	878	GGTGTAAATTCTAAATTGAAATTGTTGAAATTGTTGAGTCCGTCGAAATTGAA	937	1858	ATAAAATTGTTATGTTGTTCCATGATGTTACCTTCATTTCACCAATT	2017	
QY	541	GGTGTAAATTCTAAATTGAAATTGTTGAAATTGTTGAGTCCGTCGAAATTGAA	600	1621	ATAAAATTGTTATGTTGTTCCATGATGTTACCTTCACCAATT	1680	
Db	938	ACTPATGATGATGAGATTAATCTAACTAATGACCACTGTTGAAATTGTTGAGT	997	2018	TCTCATCCAGAAATGTTGAGAGAACTGTTGAGTCAATTGCTGATGTTGAGT	2077	
QY	601	ACTPATGATGAGATTAATCTAACTAATGACCACTGTTGAAATTGTTGAGT	660	1681	TCTCATCCAGAAATGTTGAGAGAACTGTTGAGTCAATTGCTGATGTTGAGT	1740	
QY	998	ATGGTGTACACCCCTGGTGTGCAACTGGCAACTGGCAACTGGCACTCT	1057	2078	GCTGATGTTGTTATGTTGCTTAACTGATGAAATTACCGATGGTTTGCCTTAA	2137	
Db	661	ATGGTGTACACCCCTGGTGTGCAACTGGCAACTGGCAACTGGCACTCT	720	Db	1741	GCTGATGTTGTTATGTTGCTTAACTGATGAAATTACCGATGGTTTGCCTTAA	1800
QY	1058	GCTGCTGTAGAAAGACCATCTCGTCAATTGATGAAAGTGTGTTCTCATGCA	1117	QY	2138	CATGAAATGAAATTGATGAAAGTGTGTTCTCATGAAATTGATGAAATT	2197
Db	721	GCTGCTGTAGAAAGACCATCTCGTCAATTGATGAAAGTGTGTTCTCATGCA	780	Db	1801	CATGAAATGAAATTGATGAAAGTGTGTTCTCATGAAATTGATGAAATT	1860
QY	1118	AGATCATCTGAAAGAACCTGAAAGAACCTGTTCTCATGAAATTGATGAA	1177	QY	2198	GATTTAGTAGTTGTTGTTGAAAGATGTTGATGTTGAAAGTGTGTTCTCATGAA	2257
Db	781	AGATCATCTGAAAGAACCTGTTCTCATGAAATTGATGAAAGTGTGTTCTCAT	840	Db	1861	GATTTAGTAGTTGTTGAAAGTGTGTTCTCATGAAATTGATGAAATT	1920
QY	1178	GTTAATGGTTGATTGTTGATGAAATTGATGAAATTGATGAAATTGATGAA	1237	Db	2258	AGATTATATGCTTAACCTGATGTTGCTTAAAGATGTTGCTAAAGTGTGAA	2317
Db	841	GTTAATGGTTGATTGATGAAATTGATGAAATTGATGAAATTGATGAA	900	Db	1921	AGATTATATGCTTAACCTGATGTTGCTTAAAGATGTTGCTAAAGTGTGAA	1980
QY	1238	TATTACAAAAACAAATTGTTGCTAAAAATTCTGTTGTTGTTGATGAAATT	1297	QY	2318	GCTTAATTCTCTCTGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	2377
Db	901	TATTACAAAAACAAATTGTTGCTAAAAATTCTGTTGTTGTTGATGAAATT	960	Db	1981	GCTTAATTCTCTCTGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	2040
QY	1298	TCCAAAATTAACTACTAATGCTGGCATCTGTCATCATTGAAATTCTCA	1357	QY	2378	GCCCCACCAACCCATTCTTCAACTTCAACCAATTTCATGTTGATCTT	2437
Db	961	TCCAAAATTAACTACTAATGCTGGCATCTGTCATCATTGAAATTCTCA	1020	Db	2041	GCCCCACCAACCCATTCTTCAACTTCAACCAATTTCATGTTGATCTT	2100
QY	1358	ATTAATAAAATTATGCTGCAATTCTCATGAAATTCTCAATTCTCA	1417	QY	2438	AATAGTTTGGAAATTCTCAACTGGTTGAGGTTGAGGTTGAGGTTGAGG	2497
Db	1021	ATTAATAAAATTATGCTGCAATTCTCATGAAATTCTCAATTCTCA	1080	Db	2101	AATAGTTTGGAAACTCTCAACTGGTTGAGGTTGAGGTTGAGGTTGAGG	2160
QY	1418	CCAAAAAAATTAAAGAAACATATCAAGATTCGAAATTCTCA	1477	QY	2498	AATCCAACTGGAATTAACTAACTAACTAACTAACTAACTAACTAACT	2557
Db	1081	CCAAAATTAAAGAAACATATCAAGATTCGAAATTCTCAATTCTCA	1140	Db	2161	AATCCAACTGGAATTAACTAACTAACTAACTAACTAACTAACTAACT	2220
QY	1478	TCTTCAGAGAAATTGATGAAAGTCAACAAATTGATGAAATTGATGAA	1537	QY	2558	CAACACAAACAAACAAATTGTTCTCATGAAATTCTCAACAAATTCTCA	2617
Db	1141	TCTTCAGAGAAATTGATGAAAGTCAACAAATTGATGAAATTGATGAA	1200	Db	2221	CAACACAAACAAACAAATTGTTCTCATGAAATTCTCAACAAATTCTCA	2280
QY	1538	CAATTATCAATTCTCATCTCATCTCATCTCATCTCATCTCATCT	1597	QY	2618	AGAGCTGATATTGCTTAAATTGATGTTGATCTGATGTTGATCTGATG	2677
Db	1201	CAATTATCAATTCTCATCTCATCTCATCTCATCTCATCTCATCT	1260	Db	2281	AGAGCTGATATTGCTTAAATTGATGTTGATCTGATGTTGATCTGATG	2340
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Db	1251	TTCGGTGGAGCGAGAAATTCTGATGGGTTAACTCTGATGTTGAGTGT	1320	Db	2401	CAAGCTGAAATTCTCATCTCATCTCATCTCATCTCATCTCATCT	2460
QY	1658	CCAGTCATCTGTCATCTGTCATCTGTCATCTGTCATCTGTCATCT	1717	QY	2858	GTCCTGTGTTGAGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG	2917
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QY	1778	ACCTGTCATCTGTCATCTGTCATCTGTCATCTGTCATCTGTCATCT	1500	QY	2918	TTTAAATTATGCTGAAATTGATGTTGTTGTTGTTGTTGTTGTTGTTG	2977
Db	1441	ACCTGTCATCTGTCATCTGTCATCTGTCATCTGTCATCTGTCATCT	1440	Db	2581	TTTAAATTATGCTGAAATTGATGTTGTTGTTGTTGTTGTTGTTGTTG	2640
QY	1838	ACTGCTGAAATTCTGAACTGCAAGAACCTGTCGAAATTGATTTAAAGTAT	1897	QY	2978	ATTCGAGGACAAATTGATGTTGAAACTGTCATCAAGAGATCAATT	3037
Db	1501	ACTGCTGAAATTCTGAACTGCAAGAACCTGTCATCAAGAGATCAATT	1560	QY			

RESULTS 5

R382138_14/

PCOMMENT

Sequence B

Pragmatics

CR38213

CR38213

CR38213

CR38213

CR38213

CR38213

CR3 8213

CR38213

CR38213

CRE38213

CR38213

M838213

83821

卷之三

3821

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 14, 2005, 14:15:33 ; Search time 10845 Seconds

(without alignments)
 12372.204 Million cell updated/sec

Title: US-10-018-105-3
 Perfect score: 3525

Sequence: 1 tataataataataatata.....tcaattattcaataattgc 3525

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_htc:*

4: gb_est3:*

5: gb_est4:*

6: gb_est5:*

7: gb_est6:*

8: gb_gss1:*

9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
c 1	359.8		912	9	CNS06173		AL399925 T7 end of
c 2	301.6		8.6	1032	9	CNS0736W	AL427134 clone BAO
c 3	211.2		6.0	1089	9	CNS08QJK	AL410742 T3 end of
c 4	210.8		6.0	798	9	CNS072G5	AL426171 clone BAO
c 5	202		5.7	579	8	BZ295013	BZ295013 CG136_f1
c 6	187.2		5.3	911	9	CNS06HIN	AL390945 T3 end of
c 7	176		5.0	874	9	CNS06GW9	AL398239 T3 end of
c 8	176		5.0	911	9	CNS06GN7	AL397913 T3 end of
c 9	172.4		4.9	955	7	C0028936	C0028936 EST807320
c 10	163		4.6	387	7	C0142543	C0142543 EST837214
c 11	156.2		4.4	771	7	CPT09049	CPT09049 CCAGA79TR
c 12	146		4.1	973	9	CNS06GSK	AL398105 T7 end of
c 13	145.4		4.1	524	8	BZ297820	BZ297820 CG3653_r1
c 14	143		4.1	763	1	AJ637812	AJ637812 AJ637812
c 15	141.2		4.0	614	4	BM26292	BM26292 VL58 cDNA
c 16	141		4.0	712	5	B0743184	B0743184 WHR4101_A
c 17	133.2		3.8	964	7	C0034119	C0034119 EST812503
c 18	128.4		3.6	715	6	CD488599	CD488599 T11_F12_T
c 19	122.6		3.5	850	9	CNS06X53	AL419293 T3 end of
c 20	121.8		3.5	921	9	CNS075PZ	AL434113 clone BAO
c 21	119.2		3.4	907	7	C0027928	C0027928 EST806312
c 22	117		3.3	695	9	CNS06HLU	CNS06HLU T7 end of
c 23	114.8		3.3	934	7	CP823927	CP823927 EST701309
c 24	110.2		3.1	551	1	AJ637804	AJ637804

ALIGNMENTS

RESULT 1

CNS06173/C

LOCUS

CNS06173

DEFINITION

T7 end of clone AS0AA018C10 of library AS0AA from strain CLIB 533

ACCESSION

AL399925

DEFINITION

GSS

VERSION

AL12155087

DEFINITION

GSS

KEYWORDS

Saccharomyces bayanus

ORGANISM

Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomyces;

Saccharomycetales; Saccharomyces; Saccharomyces.

REFERENCE

1 (bases 1 to 912)

AUTHORS

Souillet, J.-L., Aigle, M., Artiguenave, F., Blandin, G.,

Boioc'h-Fukuhara, M., Bon, B., Brottier, P., Casaregola, S.,

de-Montigny, J., Dujon, B., Durrens, P., Lepingle, A., Llorente, B.,

Malpertuy, A., Neuveglise, C., Ozier-Kalogeropoulos, O., Pottier, S.,

Saurin, W., Tekaya, F., Toffano-Nioche, C., Wesolowski-Louvel, M.,

Wincker, P., and Weissenbach, J.

TITLE

Genomic exploration of the hemiascomycetous yeasts: 1. A set of yeast species for molecular evolution studies

JOURNAL

FEBS Lett.

487 (1), 3-12 (2000)

PUBLMED

20584715

REFERENCE

2 (bases 1 to 912)

AUTHORS

Bon, B., Neuveglise, C., Casaregola, S., Artiguenave, F., Wincker, P.,

Aigle, M., and Durrens, P.

TITLE

Genomic exploration of the hemiascomycetous yeasts: 5.

JOURNAL

FEBS Lett.

487 (1), 37-41 (2000)

PUBLMED

11152876

REFERENCE

3 (bases 1 to 912)

AUTHORS

Bon, B., Neuveglise, C., Casaregola, S., Artiguenave, F., Wincker, P.,

Aigle, M., and Durrens, P.

TITLE

Genomic exploration of the hemiascomycetous yeasts: 5.

JOURNAL

FEBS Lett.

487 (1), 37-41 (2000)

PUBLMED

20584715

REFERENCE

3 (bases 1 to 912)

AUTHORS

Genoscope

TITLE

Direct Submission

JOURNAL

Submitted (07 SEP 2000)

Genoscope - Centre National de Séquençage, CP 5706, 91057 EVRY cedex, FRANCE. (E-mail : secr@genoscope.cnrs.fr - Web : www.genoscope.cnrs.fr)

COMMENT

This GSS is part of a random genomic sequencing program of thirteen

yeast species: Saccharomyces bayanus var. uvarum, Saccharomyces

exiguus, Saccharomyces servazzii, Zygosaccharomyces rouxii,

Saccharomyces kluyveri, Kluyveromyces thermotolerans, Kluyveromyces

lactis var. lactis, Debaryomyces hansenii var. hansenii, Pichia

sorbitophila, Candida tropicalis and Yarrowia lipolytica. Genomic inserts of 3 to

5 kb were prepared and both extremities were sequenced. See

keywords for description of this sequence and for the sequence of

Db	121	GAAGTGAATTGGAAATTAAATCAAGATAATGAGGTAAAGGAAAGAA	180	Db	1201	CAATTATCATTAACTCATCTACATCTCTACTTCTGGATCTGGATCTGGGAGGTGAAA	1260
Db	518	CAACAAATATCATCAGAGTTACATCAGGTTAATCTAACTTGTAAATCTGCT	577	Qy	1598	TTCGGTGGAGGAAAGAATTCTGATGGGATTAACTTACCTGATGATTTCA	1657
Db	181	CAACAAATCATCAGGTTACATCAGGTTAATCTAACTTGTAAATCTGCT	240	Db	1261	TTTGGTGGAGGAAAGAATTCTGATGGGATTAACTTACCTGATGATTTCA	1320
Qy	578	TCTTCATTAGAAAAATCTTAATCTTACGATAAGATAATGAGGTAACTGCT	637	Db	1658	CTTTCCATTCTGATCGAGAAACATTCAATGCCCGATATTCCATCATGATCTCA	1717
Db	241	TCTTCATTAGAAAAATCTTAATCTTACGATAAGATAATGAGGTAACTGCT	300	Qy	1321	CTTTCCATTCTGATCGAGAAACATTCAATGCCCGATATTCCATCATGATCTCA	1380
Qy	638	TTATCTGGTGTGTGATGATCTTAACTAACCGGTCAAAATACGATCT	697	Db	1381	CCAGGTCAATCTGTCGAGATTATGAAATGGAGAAACTGGGTGTTAGATGT	1440
Db	301	TTATCTGGTGTGTGATGATCTTAACTAACCGGTCAAAATACGATCT	360	Qy	1778	ACTGTCCTACTGTCGAAATGAAATGGTTCGCAAGGATTGGTATTCTCTTAA	1897
Qy	698	TCTTCATTAGAAAGATTTTATTAAGATAATCTGAGCAAACTTCTAATCT	757	Db	1441	ACTGTCCTACTGTCGAAATGAAATGGTTCGCAAGGATTGGTATTCTCTTAA	1500
Db	421	ACTTCATCTGCAATTCTCAATTCTCAATTCTCAATTCTCAATTCTCAAT	420	Qy	1838	ACTGTCGAGGATATTGATGCAAGAAACTCTGTAATGAAAGTAAAGTTAAAGGTAT	1897
Qy	758	ACTCATCTGCAATTCTCAATTCTCAATTCTCAATTCTCAATTCTCAAT	817	Db	1501	ACTGTCGAGGATATTGATGCAAGAAACTCTGTAATGAAAGTAAAGTTAAAGGTAT	1550
Db	541	GGTCTGTAATTAATCTCAATTCTCAATTCTCAATTCTCAATTCTCAAT	480	Qy	1898	TATTGTTGTTCTACACTTGAAGTGTATAAGATCTGAGATTATTAGAACCG	1957
Qy	818	AAATCAAGAGAAAATCTCAATTGGAAAATTACCTCATTAAAGAAACAA	877	Db	1561	TATTGTTGTTCTACACTTGAAGTGTATAAGATCTGAGATTATTAGAACCG	1620
Db	481	AAATCAAGAGAAAATCTCAATTGGAAAATTACCTCATTAAAGAAACAA	540	Qy	1958	ATAATGTTTATATTGTTCTCATGATGGTATTTACGTTACCAATT	2017
Qy	878	GCTGTTAAATATCTCAATTCTCAATTCTCAATTCTCAATTCTCAAT	937	Db	1621	ATAATGTTTATATTGTTCTCATGTTATCATGTTACGTTACCAATT	1680
Db	541	GGTCTGTAATTAATCTCAATTCTCAATTCTCAATTCTCAATTCTCAAT	600	Qy	2018	TCTATCCACCAAACTTACAGAGAGTTCGTCATTGAGATTGTCATTTCA	2077
Qy	938	ACTAATGAACTGAAATTAATCTCAATTCTCAATTCTCAATTCTCAAT	997	Db	1681	TCTATCCACCAAACTTACAGAGAGTTCGTCATTGAGATTGTCATTTCA	1740
Db	601	ACTAATGAACTGAAATTAATCTCAATTCTCAATTCTCAATTCTCAAT	660	Qy	2078	CCTGATTGGTTATGTTATGCCTTAATCTGTAATGTTGCTTCGTTTACGTTAGATACT	2137
Qy	998	ATTCGTCCTACACCCCTGGTGGACATCTGCTTACCGCCACTGCT	1057	Db	1741	GATTATGACTGTTACAGGTTACAGGAAATCTGCTTATGTTGCTTACGTT	1800
Db	661	ATTCGTCCTACACCCCTGGTGGACATCTGCTTACCGCCACTGCT	720	Qy	2138	CATGGATTGAAATGAAAGTGTGATGCCATTGAGATTGTCATTTGCTTC	2197
Qy	1058	GCTGCTGGTAGAGACCCCTGGTGGACATCTGCTTACCGCCACTGCT	1117	Db	1801	CATGGATTGAAATGAAAGTGTGATGCCATTGAGATTGTCATTTGCTTC	1860
Db	721	GCTGCTGGTAGAGACCCCTGGTGGACATCTGCTTACCGCCACTGCT	780	Qy	2198	GATTATGACTGTTACAGGTTACAGGAAATCTGCTTATGTTGCTTACGTT	2257
Qy	1118	AGTCATCTCAAGAAACCAATGTTGATGAAAGTGTGATGCTTATG	1177	Db	1861	GATTATGACTGTTACAGGTTACAGGAAATCTGCTTATGTTGCTTACGTT	1920
Db	781	AGTCATCTCAAGAAACCAATGTTGATGAAAGTGTGATGCTTATG	840	Qy	2258	AGATATTATCAGGTAAGGTGATGCTTAAAGTGTGCTTAAAGATGTCAGAGRA	2317
Qy	1178	CTTAATGCAAAATGTTGATGAAATCTGTTGATGAAAGAGACT	1237	Db	1921	AGATATTATCAGGTAAGGTGCTTAAAGATGTCAGAGRA	1980
Db	841	GTTATGGTTGATGTTGATGAACTCTGCTTCAATTCTGCTTCAATT	900	Qy	2318	GCTAATTCCTTCCTGCTTCAATTCTGCTTCAATTCTGCTTCAATT	2377
Qy	1238	TATTACAAAACCAATGTTGATGAACTCTGCTTCAATTCTGCTTCAATT	1297	Db	1981	GCTAATTCCTTCCTGCTTCAATTCTGCTTCAATTCTGCTTCAATT	2040
Db	901	TATTACAAAACCAATGTTGATGAACTCTGCTTCAATTCTGCTTCAATT	960	Qy	2378	GCCCACACCCACCTAATCTCATTATTACTCACCCTAATCTCATT	2437
Qy	1298	TCCAAATTAATCTACTGTTGATGAACTCTGCTTCAATTCTGCTTCAATT	1357	Db	2041	GCCCACCAACCCACCTAATCTCATTATTACTCACCCTAATCTCATT	2557
Qy	961	TCCAAATTAATCTACTGTTGATGAACTCTGCTTCAATTCTGCTTCAATT	1020	Qy	2438	AATAGTTAGGAACTCACTGGTGGGGAGTAGGAGTAACTTGGTCTTCA	2497
Qy	1358	AATAAAAAAATATGGTGTGTTGATGGCAATTAAATAT	1417	Db	2101	AATAGTTAGGAACTCACTGGTGGGGAGTAGGAGTAACTTGGTCTTCA	2160
Db	1021	AATAAAAAAATATGGTGTGTTGATGGCAATTAAATAT	1080	Qy	2498	ATTCACCTGGAAATTAATCTACTGTTGATGGCAATTAAATCTGCTTCA	2220
Qy	1418	CCAAAAAATTTAAAGAAACATTCAAGATTGAAATTCTGAAATTCTCA	1477	Db	2161	ATTCACCTGGAAATTAATCTACTGTTGATGGCAATTAAATCTGCTTCA	2280
Db	1081	CCAAAAAATTTAAAGAAACATTCAAGATTGAAATTCTGAAATTCTCA	1140	Qy	2558	CAACACAAACAAACATGGTAACTTACAAATCTGCTTCAATTCTGCTTCA	2617
Qy	1478	TCTTCAGAGAAATTATTGATGAACTAAACAAACCCCTAACATGAT	1537	Db	2221	CAACACAAACAAACATGGTAACTTACAAATCTGCTTCAATTCTGCTTCA	2677
Db	1141	TCTTCAGAGAAATTATTGATGAACTAAACAAACCCCTAACATGAT	1200	Qy	2618	AGACCTGATGATTGGATTATATTGATGAACTTACCACTGTTGCTA	2340
Qy	1538	CAATATCATTAACTCATCATTCTACTGTTGATGGCAATTCTGCTTCA	1597	Db	2281	AGACCTGATGATTGGATTATATTGATGAACTTACCACTGTTGCTA	

2678 AATTATTAGCCATTGAAAAATTTCAGTGGTCACTICAATTATTAGCTCAATT 2737
 2341 AATTATTAGCCATTGAAAAATTTCAGTGGTCACTICAATTATTAGCTCAATT 2400
 2738 CAACTGTAATCATTCAATTCAATTAAATACCCGAATGTTTCAAAATTACTTG 2797
 2401 CAACTGTAATCATTCAATTCAATTAAATACCCGAATGTTTCAAAATTACTTG 2460
 2798 ATTGGGACAAATGTTGAGTTCCATTAAATTAGTCAGGGACTTTGGTAAAG 2857
 2461 ATTGGGACAAATGTTGAGTTCCATTAAATTAGTCAGGGACTTTGGTAAAG 2520
 2858 GTCCCTGGTGAAGGGTACCAAATTAGTCAGGGTTTCGGAAFTGGTAAATA 2917
 2521 GTCCCTGGTGAAGGGTACCAAATTAGTCAGGGTTTCGGAAFTGGTAAATA 2550
 2918 TTATATATTATGGCATTTATATTGCTAACTGGTTGAAAAAATGAAATATCA 2977
 2581 TTATATATTATGGCATTTATATTGCTAACTGGTTGAAAAAATGAAATATCA 2640
 2978 ATTGAGGACAAAATATGGAAATTGACCAATTAACTCATAGAGATCAATT 3037
 2641 ATTGAGGACAAAATATGGAAATTGACCAATTAACTCATAGAGATCAATT 2700
 3038 AGAACTTACGGTTAAAAAACATGGTAACTTAACTATAGTTCCCGATATA 3097
 2701 AGAACTTACGGTTAAAAAACATGGTAACTTAACTATAGTTCCCGATATA 2760
 3098 TATGATAAA 3106
 2761 TATGATAAA 2769

RESULT²
 US-10-128-714-2563
 ; Sequence 2563, Application US/10128714
 ; Publication No. US20030119013A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jiang, Bo
 ; APPLICANT: Hu, Wengi
 ; APPLICANT: Tishkoff, Daniel
 ; APPLICANT: Zamudio, Carlos
 ; APPLICANT: Broshkin, Alexey M
 ; APPLICANT: Lemieux, Sébastien M
 ; TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and
 ; TITLE OF INVENTION: Methods of Use
 ; CURRENT APPLICATION NUMBER: US/10/128,714
 ; CURRENT FILING DATE: 2002-04-23
 ; PRIOR APPLICATION NUMBER: US 60/285,697
 ; PRIOR FILING DATE: 2001-04-23
 ; PRIOR APPLICATION NUMBER: US 60/287,066
 ; PRIOR FILING DATE: 2001-04-27
 ; PRIOR APPLICATION NUMBER: US 60/295,890
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: US 60/303,899
 ; PRIOR FILING DATE: 2001-07-09
 ; PRIOR APPLICATION NUMBER: US 60/316,362
 ; PRIOR FILING DATE: 2001-08-31
 ; NUMBER OF SEQ ID NOS: 8603
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 2563
 ; LENGTH: 1932
 ; TYPE: DNA
 ; ORGANISM: *Aspergillus fumigatus*
 ; US-10-128-714-2563

Query Match 5.1%; Score 179.6; DB 15; Length 1932;
 Best Local Similarity 56.6%; Fred. No. 3e-20;
 Matches 376; Conservative 0; Mismatches 279; Indels 9; Gaps 2;

1659 TTTCCATTCTGAATGAAAGAACTTATGCCCGATATTCCATAGTATCAC 1718

959 TTTCTCATCCGACTCCAGGACTGTCGACCGCCAACTGGGACCCCTGGCC 1018
 1719 CAGGTCAATCTGTCGAAATTGATTAAATGG-----TGAGAAATTTGGGTAG 1772
 1019 CTGGTGAATCTTCCGGATCTTCACTTGGGGGGGTGTTGTTGTTG 1078
 1773 ATTGTACTGTGCTCACTGATTGCAAGTGGATTGATTCACT 1832
 1079 AGCTACTATCCACAGGGGAACTGCTGGGCAATTCCATCCATC 1138
 1833 CTTAACCTGAGATATTGAAATGCAAGRAACTCTGAAAAAGTGTGATTAA 1892
 1139 CACTGACATGGAGATATCTGACTCTGAGAACCCGTGAAAGGTCTGCTTCAGGC 1198
 1893 GTTATTATTGGTGTTCATACTT-----TGAGCTGATAAGATCTGAGATTATT 1949
 1199 AAATATTACTTCTGTCGTCGGACATTCTATAGCAGACAGACAGACGCTCA 1258
 1950 TAGACCCATAAATGTTATAATGTTCCATGTTGTTAATGCTTCATTTT 2009
 1259 TGGGCCCTCACTCTACCTGTTCCGAGGGCTCTCTATCTCACTCA 1318
 2010 CACCAATTCTCATCCGAAATGTTAGAAGAGAGTCTGTCATTGAGAGATTATGTCG 2069
 1319 CGGAAATCAGCGCCAAATGTCAGGAAATTCGGAACTGCTGATTGTCG 1378
 2070 ATGTTAGTGTGATTGGTATGTTGCTTAACTGAAATTACCGATGGTTGGCC 2129
 1379 CCCTCAGTAGTGTGACTGGATCTGTTGATGTCATGTTGGCC 1438
 2130 CCGTGATTCATGGGATGGTAACTGAAATGCTGAGTCGGTTTCACCTGCTA 2189
 1439 CTGTCATGGAGGATGGTAACTGAAATGCTGAGTCGGATCTGGATTCATGCGCC 1498
 2190 GAGATACCTGATTAGTGTGTTACAAAGATTGGTAATCAAGAGAAAAGTCATGA 2249
 1499 GCGTCGACGATTTGAACTCTTCAACCGGAATCGCTTCCTGTAAGAAGTCATGA 1558
 2250 CTTTAATGGATTTATTGCTTAAGGTGATGTCATTAATGGTTGCTAAAGATGC 2309
 1559 GCTGTATGGCCCTCTGTTGCAAGGAGATGTCATTCGGGTTCTCAAGGGTGC 1618
 2310 AAGA 2313
 Db. 1619 AGGA 1622

RESULT³
 US-10-128-714-7563
 ; Sequence 7563, Application US/10128714
 ; Publication No. US20030119013A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jiang, Bo
 ; APPLICANT: Hu, Wengi
 ; APPLICANT: Tishkoff, Daniel
 ; APPLICANT: Zamudio, Carlos
 ; APPLICANT: Broshkin, Alexey M
 ; APPLICANT: Lemieux, Sébastien M
 ; TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and
 ; TITLE OF INVENTION: Methods of Use
 ; FILE REFERENCE: 10182-018-999
 ; CURRENT APPLICATION NUMBER: US/10/128,714
 ; CURRENT FILING DATE: 2002-04-23
 ; PRIOR APPLICATION NUMBER: US 60/285,697
 ; PRIOR FILING DATE: 2001-04-23
 ; PRIOR APPLICATION NUMBER: US 60/287,066
 ; PRIOR FILING DATE: 2001-04-27
 ; PRIOR APPLICATION NUMBER: US 60/295,890
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 ; PRIOR FILING DATE: 2001-06-05
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 ; PRIOR APPLICATION NUMBER: US 60/316,362